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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/771,994	02/04/2004	Nicholas J. Caunter	600.1302	3574
23280	7590	08/01/2005	EXAMINER	
DAVIDSON, DAVIDSON & KAPPEL, LLC 485 SEVENTH AVENUE, 14TH FLOOR NEW YORK, NY 10018			RIDLEY, RICHARD	
			ART UNIT	PAPER NUMBER
			3651	

DATE MAILED: 08/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/771,994	Applicant(s) CAUNTER, NICHOLAS J.	
	Examiner Richard Ridley	Art Unit 3651	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 May 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 and 5-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 10 is/are allowed.
- 6) ☒ Claim(s) 1-3 and 5-9, 11-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

-Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 2, 3, 4, 7, 8, 9, 11, 12, 13, 16 are rejected under 35 U.S.C. 102(b) as being anticipated by Emigh et al. USP 5954323. Emigh discloses a similar device comprising a(n):

- Moving arm (17)
- First gripper (24)
- Electromechanical actuator (cylinder 28 is air & electrically operated)
- Controller (fig. 5B)
- Second gripper (23)
- Solenoid valve (33)

3. Claims 14, 15 are rejected under 35 U.S.C. 102(b) as being anticipated by Houseman USP 4852722. Houseman discloses a similar device comprising a(n):

- Reciprocating or rotating an arm (fig. 6b; C12/L27-35; C2/L23-30)
- Electronically controlling the gripper (C12/L27-35; C2/L23-30)
- Adjusting a closing the distance or the first gripper as a function of the signature thickness or material (the gripper is appropriately set so as to function in accordance with the signature)

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Muller EP 0771675A1 in view of Emigh USP 5954323. Muller discloses a similar device comprising a(n):

- Moving arm (fig. 2) that is a rotating arm.
- First gripper (19)
- Second gripper (fig. 2)

Muller does not disclose an electromechanical actuator connected to the first gripper for opening and closing the first gripper with the electromechanical actuator being mounted on the moving arm.

Emigh teaches the use of an electromechanical actuator (28, 33) connected to a first gripper for opening and closing the first gripper with the electromechanical actuator being mounted on a moving arm (17) for the purpose of providing for a means of operating the gripper.

It would have been obvious to one having ordinary skill in the art at the time of the invention to have employed the use of an electromechanical actuator connected to a first gripper with the electromechanical actuator being mounted on a moving arm, as taught by Emigh, in the device of Muller for the purpose of providing for a means of operating the gripper.

Re clm 2, Emigh teaches a controller for the purpose of controlling the actuator.

Allowable Subject Matter

6. Claim 10 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

7. Applicant's arguments filed have been fully considered but they are not persuasive.

8. The applicant has amended the claims to recite, "...arm rotating a full rotation...", and argues that neither Emigh nor Muller disclose the arm "rotating a full rotation".

In response the examiner notes that the arms disclosed in Emigh and Muller were both built and design to rotate along a predetermined arc. The arms in both references rotate this full predetermined rotation. The arms in both references fully rotate. In other words, "full rotation" does means necessarily means 360 degrees.

See Merriam-Wester's Collegiate Dictionary 10 ed. which gives: **Rotation** – the act or process of rotating on or as if on an axis or center.

Conclusion

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

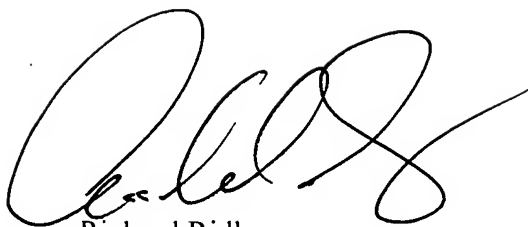
10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Ridley whose telephone number is (571) 272-6917. The examiner can normally be reached on Mon-Fri 7:30 am - 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gene Crawford can be reached on (571) 272-6911. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Art Unit: 3651

A handwritten signature in black ink, appearing to read 'Richard Ridley', with a large, stylized initial 'R'.

Richard Ridley
27 July 2005

Richard Ridley
Primary Examiner
Art Unit 3651